LISTING OF CLAIMS

This listing of claims will replace all prior versions, and listing, of claims in the application.

Claims 1-15. (Canceled)

Claim 16. (Presently amended) A method of reducing the number of nucleation mode particles in the emissions from a heavy duty diesel engine fitted with a catalyzed particulate trap, which is a continuously regenerating trap (CRT™) comprising both an oxidation catalyst and a particulate trap, which method comprises lubricating a heavy duty diesel engine with a lubricating oil consisting essentially of an anti-wear, anti-oxidant and corrosion-inhibiting lubricating oil having a low sulphur content of less than 0.4% by weight and comprising ZDDP and optionally at least one additional additive selected from the group consisting of an anti-wear additive, an anti-oxidant additive, a corrosion inhibitor, an anti-foam additive, a Viscosity Index improver and a dispersant, wherein ZDDP is present at a concentration of up to 0.8 percent by weight, and employing a fuel having a low sulphur content of below 50 ppm by weight, to thereby reduce the emissions of nucleation mode particles from the heavy duty diesel engine fitted with a catalyzed particulate trap, wherein the nucleation mode particles have a diameter in the range of between about 3 nm and 7nm ~~from 1 nm up to 30 nm~~.

Claims 17-24. (Canceled)

Claim 25. (Previously presented) A method according to claim 16, wherein the sulphur content (by weight) of the fuel is below 20 ppm.

Claim 26. (Previously presented) A method according to claim 25, wherein the sulphur content (by weight) of the fuel is 10 ppm or lower.

Claims 27-32. (Canceled)

Claim 33. (Previously presented) A method according to claim 16, wherein the low sulphur lubricating oil has a sulphur content (by weight) of less than 0.3%.

Claim 34. (Previously presented) A method according to claim 33, wherein the low sulphur lubricating oil has a sulphur content (by weight) of less than 0.2%.

Claim 35. (Previously presented) A method according to claim 34, wherein the low sulphur lubricating oil has a sulphur content (by weight) of less than 0.15%.

Claim 36. (Previously presented) A method according to claim 16, wherein the low sulphur lubricating oil comprises one or more anti-wear additives selected from the group consisting of (a) molybdenum containing compounds, (b) organic based friction modifiers, and (c) salicylate-type detergents.

Claim 37. (Previously presented) A method according to claim 16, wherein the low sulphur lubricating oil comprises one or more anti-oxidant additives selected from the group consisting of aromatic amines and phenolic compounds.

Claim 38. (Previously presented) A method according to claim 16, wherein the low sulphur lubricating oil comprises one or more corrosion inhibitor additives selected from the non-sulphur detergent additives.

Claim 39. (Previously presented) A method according to claim 16, wherein the low sulphur lubricating oil comprises one or more other additives selected from one or more of anti-foam additives, Viscosity Index improvers and dispersants.

Claim 40-52. (Canceled)

Claim 53. (Previously presented) A method according to claim 16, wherein the low sulphur lubricating oil has a ZDDP content of up to 0.4% by weight.

Claims 54-58. (Canceled)

Claim 59. (New) A method according to Claim 25 wherein the low sulphur lubricating oil has a sulphur content (by weight) of less than 0.3%.

Claim 60. (New) A method according to Claim 26 wherein the low sulphur lubricating oil has a sulphur content (by weight) of less than 0.3%.

Claim 61. (New) A method according to Claim 25 wherein the low sulphur lubricating oil has a sulphur content (by weight) of less than 0.2 %.

Claim 62. (New) A method according to Claim 26 wherein the low sulphur lubricating oil has a sulphur content (by weight) of less than 0.2%.

Claim 63. (New) A method according to Claim 25 wherein the low sulphur lubricating oil has a sulphur content (by weight) of less than 0.15%.

Claim 64. (New) A method according to Claim 26 wherein the low sulphur lubricating oil has a sulphur content (by weight) of less than 0.15%.

Claim 65. (New) A method according to Claim 25 wherein the low sulphur lubricating oil has a ZDDP content (by weight) of up to 0.4% by weight.

Claim 66. (New) A method according to Claim 26 wherein the low sulphur lubricating oil has a ZDDP content (by weight) of up to 0.4% by weight.

Claim 67. (New) A method according to Claim 33 wherein the low sulphur lubricating oil has a ZDDP content (by weight) of up to 0.4% by weight.

Claim 68. (New) A method according to Claim 34 wherein the low sulphur lubricating oil has a ZDDP content (by weight) of up to 0.4% by weight.

Claim 69. (New) A method according to Claim 35 wherein the low sulphur lubricating oil has a ZDDP content (by weight) of up to 0.4% by weight.

Claim 70. (New) A method according to Claim 59 wherein the low sulphur lubricating oil has a ZDDP content (by weight) of up to 0.4% by weight.

Claim 71. (New) A method according to Claim 60 wherein the low sulphur lubricating oil has a ZDDP content (by weight) of up to 0.4% by weight.

Claim 72. (New) A method according to Claim 61 wherein the low sulphur lubricating oil has a ZDDP content (by weight) of up to 0.4% by weight.

Claim 73. (New) A method according to Claim 62 wherein the low sulphur lubricating oil has a ZDDP content (by weight) of up to 0.4% by weight.

Claim 74. (New) A method according to Claim 63 wherein the low sulphur lubricating oil has a ZDDP content (by weight) of up to 0.4% by weight.

Claim 75. (New) A method according to Claim 64 wherein the low sulphur lubricating oil has a ZDDP content (by weight) of up to 0.4% by weight.